# PUBLISHER'S DEPARTMENT

### The Hurford Flour Bolt.

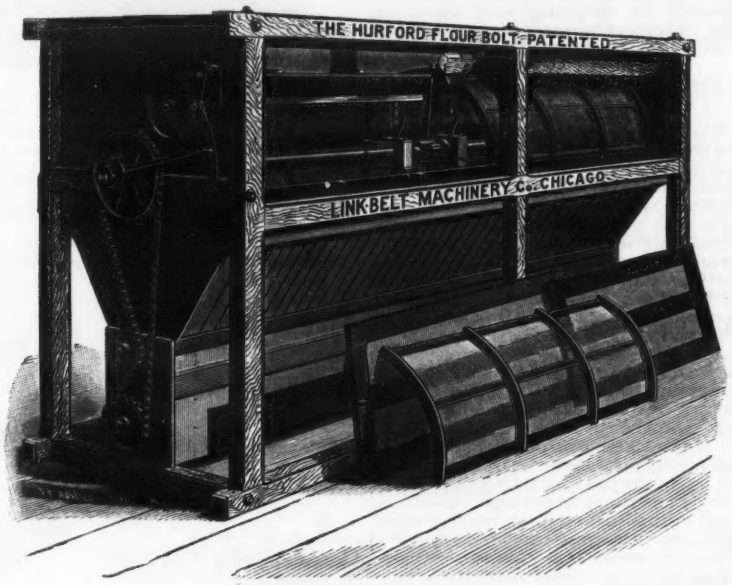
This machine, which has been steadily pushing its way to the front, of late, is thus described:

"Referring to the illustration, it will be seen that this bolt has a circular reel, having bolting cloth secured to the inner side of the ribs, thus making it perfectly smooth on the inside. The reel is made of four longitudinal sections clothed independently, any one of which may be removed by simply unscrewing four bolts, which enables the miller to reach the interior for adjustment or repairs with the least possible delay or trouble. If the cloth should accidentally be torn or broken, the section in which the break occurs can be removed or repaired without disturbing any other portion of the reel. The crowning feature of this machine is its being thoroughly brushed, both on the inside and outside, which keeps the cloth perfectly clean, and prevents clogging, thus enabling it to make thorough separations on the softest stocks without tailing over any that is fine enough to go through a given number of cloth. The inside brushes are suspended on the shaft which passes longitudinally through the reel, and being weighed below are kept in an upright position. The outside brush is placed longitudinally along the upper portion of the reel, and arranged to brush the outside automatically at regular intervals, depending on the adjustment of the device which is shown in cut.

"This reel will not clog, but will make a perfect separation by taking out every part of the material that is fine enough to go through a given number of cloth, thus rendering the after treatment by centrifugals unnecessary. These reels in their treatment of flour constitute as perfect and distinct a system of gradual separation in bolting as the roller system is in the reduction of grain to flour; and a full line of them in any mill will require no supplementary machine like the centrifugal. The adoption of these reels in small buhr stone mills will in every case materially improve the color and quality of their output. They can be put into old chests in place of six-sided reels and run by the same gearing, thus making it the cheapest machine to adopt. Having brought these machines to the highest point of perfection, and having now a large number of them running in some of the largest mills in the country, all giving unqualified satisfaction, they are now offered to the public as a perfected and entirely successful machine. As a scalper on break stocks the Hurford reel has no equal. Clothed with wire or grit gauze, it has a larger scalping capacity than any other machine. The action on the stock being very gentle, there is no abrasion, and consequently less break flour. By reason of the brushing arrangements, the wire or gauze is kept free from filling up with particles of broken wheat, and the scalping process is thus uninterrupted. By the gentle handling of the material, the very best results are obtained with no detrimental effects on the stock and very little wear on the cloth.

"Its claims to superiority are as follows: (1) That it has double the capacity of the six-sided reel; (2) that any material can be bolted on it, from the chop as it comes from the buhrs or rolls, to the softest material produced. (3) That it will re-bolt successfully and profitably any grade of finished flour. (4) That it will do as much work as any centrifugal reel, and more satisfactorily. (5) That it takes less power, is more durable, and less expensive to keep in order than any other reel. The cloth will last from three to five years, or as long as upon any six-sided reel of the ordinary kind; while the cloth on the centrifugal must be changed at least once in every six months, and in some cases as often as three times a year, with much patching in the meantime. (6) That reels can be put into old chests and run with the same driving gear, thus making them the cheapest machines in the market to adopt."

Those desiring to learn more about this machine should correspond with the Link-Belt Machinery Co., Chicago, by whom catalogues, price lists, etc., will be promptly and cheerfully furnished.




THE HURFORD FLOUR BOLT.

### Trade Notes.

The Great Western Mfg. Co. has contracted with John Guldner, Prosper, Kan., for a 50 bbl full roller mill.

C. O. Bartlett, of Cleveland, has just sold the Schumacher Co., of Akron, a pair of improved hulling stones.

C. O. Bartlett, of Cleveland, is building a 100 bbl oatmeal mill at Lockport, Ill., for the Desplaines Valley Co., for making rolled oats.

The pearl barley mill at Cincinnati, belonging to Foulds & Co., and built by Bruno Kniffler, is working admirably and business is rushing.

Kingman, Kan., will soon have a new roller mill. Pryce Howell, of that city, has contracted with the Great Western Mfg. Co., of Leavenworth, for the necessary machinery.

The Piqua (O.) Milling Co.'s mill, built for making oatmeal by C. O. Bartlett, has proved a great success, they having been obliged to increase their capacity twice since Dec. 1.

Bruno Kniffler, of Cleveland, reports business rushing and he now has 50 men on the road repairing and refitting mills. The Kauffman Milling Co. and the Yaeger Milling Co. have adopted the Kniffler system of bolting, as also have Hardesty Bros. at Columbus and Canal Dover, O. It has also been introduced into the mills of Simon Gebhart, Dayton, O., Colton Bros., Bellefontaine, and the Shelby Milling Co., Shelby.

It has been determined to bore for natural gas at Jackson, Mich., and realizing the uncertainty of all things terrestrial, a company has been formed under quite original conditions. Any one can subscribe to the fund of $5,000. A company agrees to dig so far for that amount. If gas is struck in sufficient quantity to be satisfactory, the well is to be sold at auction to the highest bidder. The money so derived is to be divided pro rata among the subscribers. In case of failure there is no provision for the subscribers, and their advances will probably prove permanent investments, with the hole in the ground as assets. Natural gas will be a great help to Jackson, as its manufacturing interests are large, and the enterprise is to be commended. The Geo. T. Smith Co. and the Knickerbocker Co. alone employ over 600 mechanics.

Since Feb. 1, C. C. Dennis & Co. have sold machinery as follows: St. Anthony Falls Water Power Co., Minneapolis, 20 hp hoisting engine; Nelson E. Green, Minneapolis, 6 hp marine engine and boiler; Brown & Wright, Minneapolis, 6 hp upright engine and 8 hp boiler; Salisbury, Coots & Rolph, Minneapolis, 16x24 automatic engine, 60'x14' boiler, No. 4 Cameron pump and No. 10 National heater; Rice, Law & Phillips, St. Paul, 12x20 automatic engine, 52''x14' boiler, No. 3 Cameron pump and 2 No. 8 National heaters; C. B. Thurston, St. Paul, 7x10 automatic engine and 36x10 boiler; Villaume Bros., St. Paul, 11x16 automatic engine; F. C. Gerhard, St. Paul, 7x10 automatic engine and 36''x12' boiler; Merrill & Blossom, Como, Minn., 11x16 automatic engine, 46''x12' boiler, No. 2 Cameron pump and No. 5 National heater; Water Power & Boom Co., Brainerd, Minn., 25 hp semi-fixed engine and boiler; C. J. Spenser, Watertown, Da., 8x12 automatic engine and 36''x10' boiler; W. C. Stetson, Kilkenny, Minn., 25 hp semi-fixed engine and boiler; Hersey & Bean Lumber Co., Stillwater, Minn., 15 hp semi-fixed engine and boiler; Lake Park (Minn.) Roller Mill Co., 9x14 automatic engine, 36x12 boiler, No. 1 Cameron pump and No. 4 National heater.

The Iowa Water Co., of Ottumwa, has been incorporated with a capital of $750,000; shares $100; principal place of business, Ottumwa; purpose, to supply water power in Iowa, the United States, Canada and the republic of Mexico. The incorporators are William A. Underwood, of Detroit, who owns 7,300 shares, and Wilbur F. McCue and Frank Fiedler, of Ottumwa, each of whom hold 100 shares.

The Grand Forks. Da., roller mill is selling a brand of flour called "McCormack's Best," named in honor of the secretary of the territory, who is also president of the mill company.

## NATIONAL ASSOCIATION.

### The Official Call for the Annual Convention.

SECRETARY'S OFFICE,
MILLERS' NATIONAL ASSOCIATION,
MILWAUKEE, Wis., April 25, '87.

It has been decided to hold the annual meeting of the Millers' National Association at St. Louis, May 25, 26 and 27. The Missouri State Millers' Association will meet at the same time. Arrangements are being made for a mass convention of millers and all are invited. Come prepared to give as well as receive ideas and suggestions that may assist to relieve the present depressed condition of the milling industry. Anybody wishing to read a paper of interest to the members, on any subject pertaining to the milling business, will please confer with the secretary. Arrangements have been completed for reduced hotel rates, an excursion on the river in one of the palace steamers, etc. A pleasant and profitable time may be expected. As further arrangements are completed, particulars will be made known through the milling press.

S. H. SEAMANS, Secretary.

### Indiana Millers' Association.

A regular meeting of the Indiana Millers' Association will be held in Indianapolis, on Tuesday, May 10, 1887. It is desired that a representation of millers from every section of the state be at this meeting. District associations are requested to send delegates. It is hoped at this meeting to place the association on a permanent basis. To this end the active coöperation of the local organizations is invited and expected. Headquarters will be at the Grand hotel. By order of

NICHOLAS ELLES, Pres.
D. H. RANCK, Sec'y.

### Nebraska Millers' State Association.

SECRETARY'S OFFICE,
BENNET, Neb., April 18, 1887.

*To the Millers of Nebraska:*

GENTLEMEN: The Nebraska Millers' State Association will meet at Columbus, Nebraska, Wednesday, May 11, at 7:30 o'clock p. m. It is desired that all members of the association will be present. And an invitation is herewith extended to all millers of the state who are interested to meet with us. Come! C. C. WHITE, Pres.
D. H. HARRIS, Sec'y.

Late patents issued are as follows: Seed or grain feeding machine, to Erwin W. Thompson, Augusta, Ga.; packer for bran and other articles, Samuel T. Lockwood, Chicago, Ill.; water wheel, Evert M. Thompson, Evansville, Ind.; feed regulator for roller mills, John Holgate and J. B. Holgate, Burnley, county of Lancaster, Eng., patented in England, 1885; grain cleaner, Jas. M. Hendershot, Atchison, Kas.; grain tally, Thos. Bellaire and John Bousha, Belle River, Ont., patented in Canada April 7, 1886; roller mill, John Walker, Cleveland, O.; belt tightener, C. G. Lott, Chicago, Ill, assignor to A. Plamondon & Co., same place; dam, D. A. Hoyt, St. Cloud, Minn.; disc for grinding mills, Jos. S. Ash, Canal Winchester, O. Among trade marks registered are: Nathan Gregg, Shreveport, La., the word "Shell Road," for flour, used since January, 1879; Wm. A. Oliver, Baltimore, Md., the word "Princess," for flour, used since November, 1885; Manewal-Lange Cracker Co., St. Louis, Mo., the representation of a calla lily, for crackers, fancy biscuits, cakes and jumbles; by the same firm also the word "Lily," used for the same purpose. Each of the two latter brands have been in use since July 1, 1883.

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## St. Louis Operative Millers' Asso'n

The object of this association is to unite all practical millers, to give aid to its members, to assist each other to procure employment, to establish a widows' and orphans' fund, and for the advancement of the art and science of milling. The officers of the association are:

President—Chas. Brown.
First Vice President—Arthur Gorman.
Second Vice President—F. Fishback.
Treasurer—Maurice O'Connoll.
Secretary—W.T. Bobbitt, 1010 N. Leffingwell Av.
Trustees—Chas. Brown, D.J. Pollock and John Milne.

## Minneapolis Head Millers Assoc'n.

The object of the association is to bring the head millers of Minneapolis and the state into closer social relations, and in this way advance the science of milling. Head millers and ex-head millers of the state are eligible for membership. Applications for membership are made by candidates in writing to the executive committee, indorsed by two members and accompanied by initiation fee. Address secretary for further information. Following are the officers:

President—Matt. Walsh, formerly Cataract Mill.
Vice President—Jas. W. Tamm, Phœnix Mill.
Secretary—Fred. J. Clark, Northwestern Miller.
Treasurer—J. F. Stephens, Pettit Mill.
Executive Committee—Matt. Walsh, Jas. McDaniel and David Williams.

## Northwestern : Operative : Millers

ASSOCIATION.

Officers—President, Wm. Hastings; vice president, C. A. Pease; secretary, F. A. George; treasurer, Jacob Krum; H. W. Mills, assistant secretary; G. W. Rathbun, secretary employment bureau; F. J. Clark, secretary and treasurer accident benefit bureau.

Meetings—First Sunday of each month, at 220 Nicollet Avenue (third floor), Minneapolis. All practical millers of the Northwest invited to join. Blank applications may be had of secretary.


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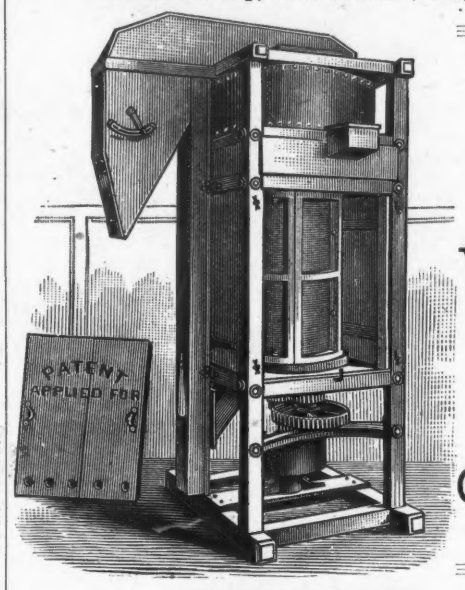


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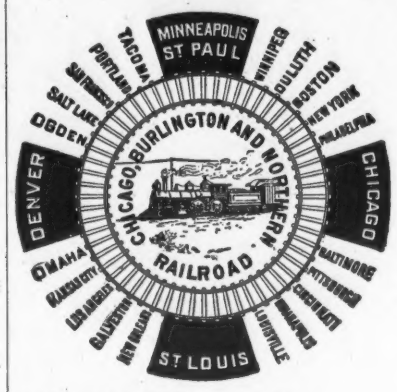


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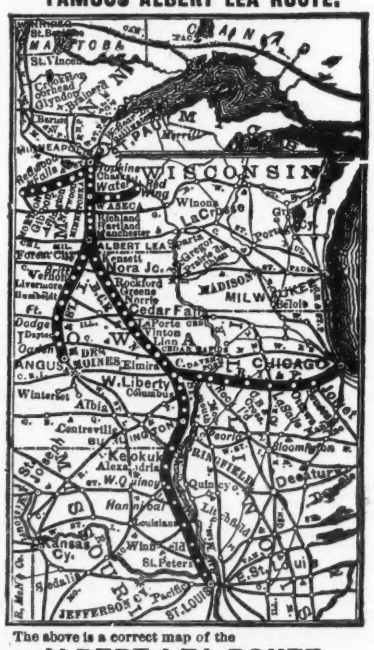


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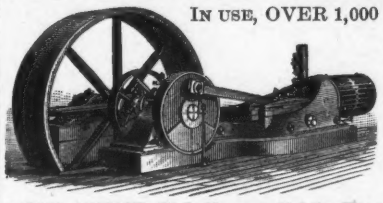

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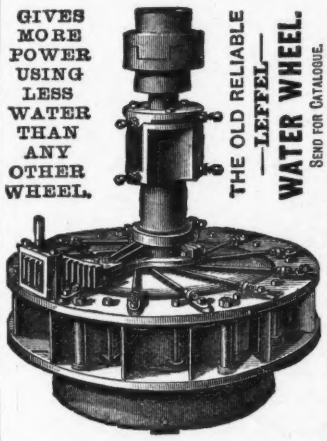

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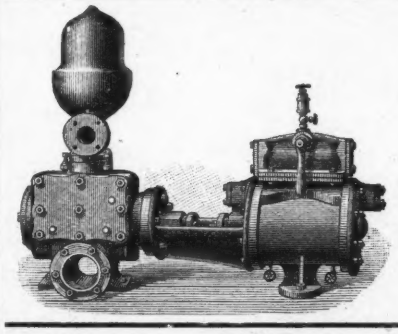

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